

Dear interested parties,

On March 17, [Oncor Electric Delivery Company](#) (Oncor) filed an Application for Authority to Change Rates, commonly known as a rate case, to the Public Utility Commission of Texas (PUCT). The application seeks an adjustment to Oncor's total cost of service of approximately \$317 million over adjusted revenues based on a Test Year ended December 31, 2016, or an average increase of 7.5% over present revenues. Among other items, the proposed rate case introduces changes that would impact solar and light-emitting diode (LED) projects in Oncor service territory, which includes the NCTCOG service area and may be of interest to various NCTCOG stakeholders.

If you are interested in learning more, the rate case has been assigned the PUCT docket number 46957 and all relevant documentation can be found on the [PUCT's website](#). Also, feel free to contact NCTCOG staff at 817-695-9226 with questions.

**Tariff for Retail Delivery Service
Oncor Electric Delivery Company LLC**

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6.1.1.1.8 Lighting Service

Street Lighting Service

AVAILABILITY

Applicable to Competitive Retailer for street lighting, pedestrian walkway lighting, and overhead sign lighting service to governmental entities in areas served by Company. Overhead sign lighting is available only under the provisions of Schedule D of the Monthly Rate - Unmetered Facilities or the Monthly Rate - Metered Facilities - Non-Company-Owned provisions or the appropriate Secondary Service or Primary Service Rate Schedule.

TYPE OF SERVICE

Single or three phase, 60 hertz, at any of the Company's standard secondary or primary service voltages as required by Competitive Retailer. Where existing distribution facilities are not adjacent to the point of delivery, additional charges and special contract arrangements may be required prior to its being furnished. If service is provided at primary voltage, Company may at its option meter service on the secondary side of the governmental entity's transformers and adjust for transformer losses in accordance with Company's Tariff for Retail Delivery Service.

MONTHLY RATE

I. Unmetered Facilities

Points of Delivery (POD) Charge: \$68.00 per governmental entity served by the Competitive Retailer.

Lamp	Watts	Lumens	kWh	Schedule			Rectangular*	Post-Top*
				A	B*	C* and D		
Mercury Vapor * (See Note 1)	175	7,900	70	\$10.54	\$15.31	\$1.61	\$23.93	\$11.63
	400	21,000	150	\$11.73	\$19.25	\$3.25	N.A.	N.A.
	1,000	63,000	370	\$14.84	\$23.46	\$7.76	N.A.	N.A.
Sodium Vapor	100	9,500	40	\$10.19	\$14.97	\$0.99	\$23.83	\$10.91
	150	16,000	70	\$10.74	\$18.25	\$1.61	N.A.	N.A.
	200	22,000	80	\$10.94	\$18.47	\$1.81	N.A.	N.A.
	250	27,500	100	\$11.16	\$18.68	\$2.22	\$25.94	N.A.
	400	50,000	160	\$12.50	\$21.11	\$3.45	N.A.	N.A.
	1,000*	140,000	375	\$15.15	\$23.31	\$7.87	N.A.	N.A.
Metal Halide *	150	14,000	65	\$12.29	N.A.	\$1.50	N.A.	N.A.
	175 (see note 2)	14,000	65	\$12.29	\$20.50	\$1.50	N.A.	N.A.
	250	25,000	100	\$14.00	\$22.31	\$2.22	N.A.	N.A.
	400	36,000	160	\$14.44	\$22.31	\$3.45	\$33.75	N.A.
	1,000*	110,000	370	\$17.66	\$25.58	\$7.76	\$37.00	N.A.

Other:				
Lamp	Watts	Lumens	kWh	
Incandescent	All			\$10.19
Historical*				
Mercury Vapor	175	7,900	70	\$10.54
Sodium Vapor	100	9,500	40	\$10.20
Sodium Vapor	150	16,000	70	\$10.75
Metal Halide	175	14,000	65	\$12.26

* Closed to new street lighting installations.

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LED Street Lighting Options

Lamp	Wattage Range	kWh	Schedule A LED Street Lighting				Schedule D LED Street Lighting
			Cobra Head (See Note 3)	Rectangular (See Note 4)	Post – Top (See Note 4)	Historical (See Note 4)	
LED	0 - 55	15	\$11.42	\$24.45	\$16.02	\$28.30	\$0.48
LED	56 - 100	30	\$11.79	\$25.10	\$15.95	\$27.91	\$0.78
LED	101 - 140	45	\$12.20	N/A	N/A	N/A	\$1.09
LED	141 - 180	55	\$12.43	\$25.38	N/A	N/A	\$1.30
LED	181 - 265	80	\$15.02	N/A	N/A	N/A	\$1.81

Note 1: Mercury Vapor options are closed to new installations. Company will continue to maintain existing Mercury lamps as long as replacement lamps are available. When replacement lamps are no longer available or existing fixtures are damaged or fail and must be replaced, Retail Customer will have the option to switch its service to the lamp type as specified in Mercury Vapor and Metal Halide Fixture Replacement Schedule below or to cancel service at no cost. Existing 250 Watt Mercury Vapor lighting will be billed at same rate as 175 Watt.

Note 2: Metal Halide option is closed to new installations. Company will continue to maintain existing metal halide lamps as long as replacement lamps are available. When replacement lamps are no longer available or existing fixtures are damaged or fail and must be replaced, Retail Customer will have the option to switch its service to the lamp type as specified in Mercury Vapor and Metal Halide Fixture Replacement Schedule below or to cancel service at no cost.

Note 3: **Schedule A Cobra Head LED Street Lighting applies to:**
 Company installed, owned, operated, and maintained street lights mounted on wood poles with a cobra head arm and served overhead.

Company installed, owned, operated, and maintained street lights mounted on wood, steel, or ornamental poles of a type normally used by Company, and served overhead or underground, and Retail Customer has contributed to Company an amount equivalent to the difference between the total installed cost of such street lighting and the Standard Allowance for the Cobra Head Street Lighting Option.

Note 4: **Schedule A Rectangular, Post-Top, and Historical LED Street Lighting applies to:**
 Company installed, owned, operated, and maintained street lights mounted on wood, steel, or ornamental poles of a type normally used by Company, and served overhead or underground, and Retail Customer has contributed to Company an amount equivalent to the difference between the total installed cost of such street lighting and the Standard Allowance for the applicable LED Street Lighting Option.

II. Nuclear Decommissioning Charge: See Rider NDC per kWh

III. Transmission Cost Recovery Factor: See Rider TCRF

IV. Energy Efficiency Cost Recovery Factor: See Rider EECRF

Other Charges or Credits

V. Rate Case Expense Surcharge: See Rider RCE per kWh

DEFINITIONS

Pedestrian Walkway Lighting:

Pedestrian walkway lighting is used to illuminate sidewalks along municipally-owned streets and roads and within municipally-owned parks and recreational areas.

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Standard Allowance:

An amount equal to the average installed cost of a street light of a type normally used by Company and served either overhead. For LED Street Lighting Options, the standard allowance is equal to the installed cost of the following:

- Cobra Head - an LED street light mounted on a 35' wooden pole, with a cobra head arm, served overhead.
- Rectangular - a Rectangular LED street light mounted on a 20' steel anchor-based pole, served underground.
- Post-Top - a Post-Top LED street light mounted on a 20' fiberglass pole, served underground.
- Historical - a Historical LED street light mounted on a 11' aluminum anchor-based historical pole, served underground.

Repair and Maintenance:

Repair consists of the repair or replacement of any individual component associated with the pole or fixture that allows the facility to operate safely and effectively. Maintenance includes photocell replacement and cleaning of lens at the time of bulb replacement. Repair and Maintenance do not include painting or straightening of poles unless Company determines that safety or operation is adversely affected.

Replacement:

Replacement includes only the complete replacement of the street light luminaire and pole caused by impacts related to weather, construction, or traffic accidents.

For street lights installed after the effective date of this revision, Schedules A and D are defined as follows:

Schedule A applies to Company installed, owned, operated, and maintained street lights of the types and sizes provided in the chart under Section I. Unmetered Facilities.

Schedule D applies to Retail Customer owned, operated and maintained street lights and overhead sign lights or where such lights are installed by a governmental entity for the use of Retail Customer, and Company supplies delivery service to Retail Customer for the operation of the street lights or overhead sign lights. Company does not provide maintenance to Schedule D lights in accordance with this tariff.

For street lights installed prior to the effective date of this revision, Schedules A, B, C, and D are defined as follows:

Schedule A applies to:

Company installed, owned, operated, and maintained street lights mounted on wood poles and served overhead.

Company installed, owned, operated, and maintained street lights mounted on wood, steel, or ornamental poles of a type normally used by Company, and served overhead or underground, and Retail Customer has contributed to Company an amount equivalent to the difference between the total installed cost of such street lighting and the total installed cost of an equivalent lighting system mounted on wood poles and served overhead.

Schedule B applies to:

Company installed, owned, operated, and maintained street lights mounted on steel or other ornamental poles of a type normally used by Company and served overhead. If the number of steel and/or other ornamental poles exceeds the number of such poles on which lights are mounted, there will be an additional charge of \$5.34 per month for each such excess pole. Where two street lights with lamps of the same size are mounted on the same steel and/or other ornamental pole, Schedule B applies to one of the lights and Schedule A to the other.

Company installed, owned, operated, and maintained street lights mounted on steel or other ornamental poles of a type normally used by Company and served underground, and Retail Customer has contributed to Company an amount equivalent to the difference between the total installed cost of the underground circuits serving the street lights and the total installed cost of overhead circuits. Where two street lights with lamps of the same size are mounted on the same steel and/or other ornamental pole, Schedule B applies to one of the lights and Schedule A to the other.

Schedule C applies to:

Street lights installed for the use of Retail Customer by Retail Customer or by a governmental subdivision. All equipment replacement and maintenance is performed by Retail Customer or the governmental subdivision. Company provides lamp replacement service only which includes lamp and labor (unless otherwise requested in writing by Retail Customer).

Company owned street lights mounted on steel or other ornamental poles of a type not normally used by Company, and Retail Customer has contributed to Company an amount equivalent to the entire construction cost of the street lighting facilities including luminaires and circuits.

Company operates all street lights under Schedule C (must be of a type suitable for use with the lamp sizes provided for herein) and makes all normal lamp replacements which includes lamp and labor at its expense. All other maintenance will be billed to Retail Customer on the basis of actual costs including appropriate overhead expenses.

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Schedule D applies to:

Retail Customer operated and maintained street lights and overhead sign lights or where such lights are installed by a governmental subdivision for the use of Retail Customer, and Company supplies distribution service to Retail Customer for the operation of the street lights or overhead sign lights.

CONVERSION OR REPLACEMENT OF EXISTING FUNCTIONAL FACILITIES AT RETAIL CUSTOMER'S REQUEST

Company will convert or replace existing Company-owned, functional facilities (size or type of luminaire) to a different Company-offered size or type of luminaire upon request of and payment by Retail Customer of \$63 for each luminaire, to cover the cost of removal of existing facilities and an amount equal to the unamortized investment in the converted or replaced facilities, less the salvage value of the existing facilities. If the salvage value of the converted or replaced facilities is less than \$0, this negative salvage value will be treated as additional cost to be paid by the Retail Customer. Installation of new facilities requested by Retail Customer will be performed pursuant to the Standard Allowance described above.

Company will limit the conversion of fully operable mercury vapor, sodium vapor, and metal halide street lights to any LED Street Lighting Options to a maximum of 30,000 street lights per year.

Customer Requested Removal of Existing Facilities

Company will remove existing facilities upon request by Retail Customer if Customer pays an amount in accordance with the Company's Section 6.1.3.1 Uniform Discretionary Service Charge 17 – Street Light Removal

SPECIAL CONDITIONS

For billing purposes the monthly street lighting and overhead sign lighting burning hours are 333 hours per month and all connections and disconnections are assumed to have occurred at the beginning of the current month's billing period.

Retail Customer-owned unmetered lamps other than those of the lamp sizes shown under Schedule D existing prior to the effective date of this tariff are billed under the metered rate and the amount of monthly energy is determined by multiplying the connected load (including ballast) by the number of burning hours.

New Service provided to customer-owned street light other than the types and sizes provided in Schedule D will be provided under the appropriate Secondary Service or Primary Service Rate Schedule.

Company reserves the right to discontinue service at locations where excessive maintenance and/or lamp replacement occur, or Company may charge Retail Customer for such maintenance and/or lamp replacements. Company makes all connections and disconnections to its distribution system.

Company-owned, operated, and maintained lighting facilities shall be installed in accordance with National Electrical Safety Code standards.

AGREEMENT

An Agreement for Street Lighting Service with a term of not less than ten years is required.

NOTICE

This rate schedule is subject to the Company's Tariff and Applicable Legal Authorities.

MONTHLY RATE

I. Metered Facilities – Non-Company Owned

Applicable for distribution service supplied at one point of delivery and measured through one meter to Retail Customer owned, operated and maintained street and highway lighting, overhead sign lighting, and incidental safety lighting equipment which operates same hours as normal street lighting.

Customer Charge	\$3.62	per Retail Customer
Metering Charge	\$13.04	per Retail Customer
Distribution System Charge	\$0.019647	per kWh

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- II. Nuclear Decommissioning Charge: See Rider NDC per kWh
- III. Transmission Cost Recovery Factor: See Rider TCRF
- IV. Energy Efficiency Cost Recovery Factor: See Rider EECRF
- V. Competitive Meter Credit: See Rider CMC

Other Charges or Credits

- VI. Rate Case Expense Surcharge: See Rider RCE per kWh

MONTHLY RATE

I. Metered Facilities - Company-Owned (Closed to new installations)

- Customer Charge \$3.62 per Retail Customer
- Metering Charge \$13.04 per Retail Customer
- Distribution System Charge \$0.119647 per kWh

- II. Nuclear Decommissioning Charge: See Rider NDC per kWh
- III. Transmission Cost Recovery Factor: See Rider TCRF
- IV. Energy Efficiency Cost Recovery Factor: See Rider EECRF
- V. Competitive Meter Credit: See Rider CMC

Other Charges or Credits

- VI. Rate Case Expense Surcharge: See Rider RCE per kWh

MERCURY VAPOR AND METAL HALIDE FIXTURE REPLACEMENT SCHEDULE

For Company-owned lights, when existing mercury vapor fixtures require replacement, Company will make such replacements with comparable high pressure sodium vapor or LED Cobra Head lighting at no cost, as specified below:

Existing Mercury Vapor Lighting :			Sodium Vapor Replacement :			LED Replacement :	
<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage Range</u>	<u>kWh</u>
175	7,900	70	100	9,500	40	56 – 100	30
400	21,000	150	200	22,000	80	101 – 140	45
1,000	63,000	370	400	50,000	160	181 – 265	80
Existing Metal Halide Lighting :			Sodium Vapor Replacement :			LED Replacement :	
<u>Wattage</u>	<u>Lumens</u>	<u>Wattage</u>	<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage Range</u>	<u>kWh</u>
150	14,000	65	150	16,000	70	101 – 140	45
175	14,000	65	150	16,000	70	101 – 140	45
250	25,000	100	250	27,500	100	101 – 140	45
400	36,000	160	400	50,000	160	181 – 265	80
1,000	110,000	370	400	50,000	160	181 – 265	80

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Upon replacement, Retail Customer will be billed at the applicable facilities charge and associated kWh usage for the sodium vapor replacement lighting.

Upon request of the Retail Customer, Company will convert or replace existing mercury vapor lighting to street lighting options other than those indicated above, as stated in "CONVERSION OR REPLACEMENT OF EXISTING FACILITIES."

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Outdoor Lighting Service (CLOSED)

AVAILABILITY

Applicable to Competitive Retailers for unmetered lighting service supplied exclusively to one or more existing outdoor lamps as specified below operating automatically from dusk to dawn.

Not applicable to street lighting.

MONTHLY RATE

I. Unmetered Facilities

Point of Delivery (POD) Charge: \$1.30 per premise.

Guard Lights

Type	Watts	kWh	Lumens	Facilities Charge
Mercury Vapor (See Note 1)	175	70	7,900	\$7.07
	400	150	21,000	\$10.78
Sodium Vapor	100	40	9,500	\$6.65
	200	80	22,000	\$9.42
LED Cobra Head	0 - 55	15	Not Applicable	\$11.42
	56 - 100	30		\$11.79
	101 - 140	45		\$12.20
	141 - 180	55		\$12.43
	181 - 265	80		\$15.02

Flood Lights

Type	Watts	kWh	Lumens	Facilities Charge
Metal Halide	175	65	14,000	\$9.16
	250	100	25,000	\$12.46
	400	160	36,000	\$15.02
	1000	370	110,000	\$26.33
Sodium Vapor	100	40	9,500	\$9.05
	200	80	22,000	\$9.42
	250	100	27,000	\$11.62
	400	160	50,000	\$14.87
	1000	375	140,000	\$27.22
LED Cobra Head	0 - 55	15	Not Applicable	\$11.42
	56 - 100	30		\$11.79
	101 - 140	45		\$12.20
	141 - 180	55		\$12.43
	181 - 265	80		\$15.02

Note 1: Company will continue to maintain existing Mercury Vapor and Metal Halide installations as long as replacement lamps are available. As existing fixtures are damaged or fail and must be replaced, Retail Customer will have the option to switch its service to another lamp type as specified in Mercury Vapor and Metal Halide Fixture Replacement Schedule below or cancel service at no cost.

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- II. Nuclear Decommissioning Charge: See Rider NDC per kWh
- III. Transmission Cost Recovery Factor: See Rider TCRF
- IV. Energy Efficiency Cost Recovery Factor: See Rider EECRF
- V. Competitive Meter Credit: See Rider CMC

Other Charges or Credits

- VI. Rate Case Expense Surcharge: See Rider RCE per kWh

Extra Spans: Plus \$2.85 per span of secondary line installed hereunder in excess of one span per light.

MERCURY VAPOR AND METAL HALIDE FIXTURE REPLACEMENT SCHEDULE

When existing mercury vapor or metal halide fixtures require replacement, Company will make such replacements with comparable high pressure sodium vapor or LED Cobra Head lighting at no cost as specified below:

Existing Mercury Vapor Lighting :			Sodium Vapor Replacement :			Comparable LED Replacement :	
<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage Range</u>	<u>kWh</u>
175	7,900	70	100	9,500	40	56 – 100	30
400	21,000	150	200	22,000	80	101 – 140	45
Existing Metal Halide Lighting :			Sodium Vapor Replacement :			Comparable LED Replacement :	
<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage</u>	<u>Lumens</u>	<u>kWh</u>	<u>Wattage Range</u>	<u>kWh</u>
175	14,000	65	150	16,000	70	101 – 140	45
250	25,000	100	250	27,500	100	101 – 140	45
400	36,000	160	400	50,000	160	181 – 265	80
1,000	110,000	370	400	50,000	160	181 – 265	80

Retail Customer is not limited to the Comparable LED Replacement option listed above, but may choose from any LED Cobra Head Guard Light or Flood Light option shown in the Outdoor Lighting table. Upon replacement, Retail Customer will be billed at the applicable facilities charge and associated kWh usage for the sodium vapor replacement lighting.

MAINTENANCE OF FACILITIES

Company will maintain all facilities incidental to providing this service, including replacement of burned-out lamps.

Company reserves the right to discontinue service at locations where excessive maintenance and/or lamp replacements are, in Company's sole judgment, likely to or actually do occur.

REMOVAL OF EXISTING FACILITIES

Except as specified above, Company will replace existing Company-owned luminaires with any of the outdoor lighting options above or remove the existing luminaire upon request of and payment by Retail Customer in accordance with the Company's Section 6.1.3.1 Uniform Discretionary Service Charge 16 – Security Light Removal, for each luminaire to cover the labor cost of removal and Company's average unamortized investment in the existing luminaire. This charge is applicable to all replacements whether or not an outdoor lighting service is active or inactive or a customer change has taken or is taking place.

NOTICE

This rate schedule is subject to the Company's Tariff and Applicable Legal Authorities.